

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number  
**WO 2005/060990 A3**

(51) International Patent Classification<sup>7</sup>: **A61K 38/20, A61P 1/16**

(21) International Application Number:

PCT/IL2004/001158

(22) International Filing Date:

23 December 2004 (23.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

159558 24 December 2003 (24.12.2003) IL

(71) Applicant (for all designated States except US): **APPLIED RESEARCH SYSTEMS AND HOLDING N.V.** [NL/NL]; Pietermaai 15, Curaçao, Netherlands Antilles (NL).

(71) Applicant (for VN only): **EINAV, Henry** [IL/IL]; INTERPHARM LABORATORIES LTD., Science Based Industrial Park Kiryat, Weizmann, 76110 Ness-Ziona (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SCHIAFFONATI, Luisa** [IT/IT]; Via Pellizzari 5, 20059 Vimercate (IT). **TIBERJO, Guido, A., M.** [IT/IT]; Piazzetta San Giorgio 5, 25122 Brescia (IT). **GAROTTA, Gianni** [IT/FR]; 1292 Route Del Grange De Boege, 74380 Lucinges (FR). **DREANO, Michel** [FR/FR]; 169, chemin de Bottereux, 74160 Collonges-sous-Salève (FR).

(74) Agent: **EINAV, Henry**; INTERPHARM LABORATORIES LTD., Science-Based Industrial Park Kiryat, Weizmann, 76110 Ness-Ziona (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
11 August 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/060990 A3

(54) Title: USE OF IL-6 IN THE PREPARATION OF PHARMACEUTICAL COMPOSITIONS FOR TREATING AND PREVENTING LIVER INJURY

(57) Abstract: The invention relates to the use of IL-6 in liver cirrhosis.